

is constructed of reinforced fabric that allows the barge to ride waves without damage if filled to half capacity

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Abstract (Basic): CA 1321734 C

A flexible marine barge (10) comprises a hollow flexible bag having curved sides (12, 14) converging to a point at the fore end and straight sides (16, 18) converging to a point at the rear end.

Constructed from reinforced fabric with additional reinforcing at the seam and having four tow straps (28, 30) to distribute the towing force throughout its length. Merge straps (32) and edge straps (34) provide additional strength and protection against collision forces. The profile ratios should be of the order length to depth 2:1 to 50:1, width to depth 2:1 to 20:1 and length to width 1:1 to 20:1. It is intended that it should be filled to rather less than half its full capacity with fluids of less density than seawater in order to maintain its stability in a sea-going environment.

USE/ADVANTAGE - For transporting by towing large quantities of fluids such as fresh water. A relatively cheap barge having good towing characteristics.

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Title Terms: FLEXIBLE; BARGE; TRANSPORT; LIQUID; LOWER; DENSITY; SEA;

CONSTRUCTION; REINFORCED; FABRIC; ALLOW; BARGE; RIDE; WAVE; DAMAGE;

FILLED; HALF; CAPACITY

Derwent Class: A95; Q24

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